

PIERS. 1638.

A New Almanack and
Prognostication for the
yeere of our Lord
God 1638.

Being the second from the Bissextile
or Leap-yeere.

Calculated for the Latitude and
Meridian of the City of *Durham*,
the Pole Arctick being ele-
vated 55 degrees.

And may serve, without any great error, for
most parts of *Great Britaine*.

By MATTHEW PIERS Student
in the *Mathematicks*.

LONDON.
Printed by R. Bishop for the Company
of STATIONERS.

A briefe Computation of time compleat
to this present yeere, 1638.

S incethe Creation of the Word	5630
Since the Flood	3975
Since the birth of <i>Abraham</i>	3678
Since the destruction of <i>Sodom</i>	3579
Since the <i>Israelites</i> departed out of <i>Egypt</i>	3173
Since the destruction of <i>Troy</i>	2822
Since <i>London</i> was built	2746
Since <i>Tork</i> was built	2604
Since <i>England</i> received the Christian Faith	1457
Since <i>Durham</i> was built	643
Since the Conquest of <i>England</i> by Duke <i>William</i> of <i>Normandy</i>	572
Since the miraculous sinking of the three pits at <i>Oxon hall</i> neere <i>Darlington</i> , called <i>Hell-kettles</i>	458
Since the famous battell at <i>Nevils Crosse</i> neere <i>Durham</i>	292
Since the invention of <i>Gunnes</i>	258
Since the building of the Bridge at <i>Aukland</i> by <i>Walter Skirlaw</i> Bishop of <i>Durham</i>	238
This Bishop builded also the <i>Galilee</i> at the end of the Cathedrall Church of <i>Durham</i> , and transferred thither the Tombe of Venerable <i>Bede</i> .	
Since <i>Printing</i> invented	179
Since <i>Bulloigne</i> conquered by <i>K. Henry 8.</i>	94
Since the Rebellion of the Earles of <i>Northumberland</i> and <i>Westmerland</i> .	69
Since <i>Tilbury Camp</i>	50
Since the Gun-powder treason	33
Since the great Frost	30
Since his Majesties return from <i>Spaine</i>	15
Since the birth of our Noble Prince <i>Charles</i> May	29
1630.	8
Since the great Fire upon <i>London Bridge</i>	5
Since the last great Snow	3

Common Notes and moveable Feasts
for this present yeere, 1638.

Old Iulian
accompt.

New Gre-
gorian ac-
compt.

	5	The Golden number	5
	23	The cycle of the Sun	23
	25	The Epact	15
	6	The Roman Indiction	6
	6	The Dominicall letter	C
February	4	Shrovelunday	14 February
March	25	Easter day	4 April
April	29	Rogation sunday	9 May
May	3	Ascension day	13 May
May	13	Whitsunday	23 May
May	20	Trinity sunday	30 May
December	2	Adventsunday	28 Novemb.

Ember dayes.

February	14. 16. & 17	February	24. 26. & 27
May	16. 18. & 19	May	26. 28. & 29
September	19. 21. & 22	September	15. 17. & 18
December	19. 21. & 22	December	15. 17. & 18

The times wherein Matrimony is not solem-
nized without Licence.

From the beginning of the yeere to Ianuary 13.

From Ianuary 21. to April 1.

From April 30. to May 20.

From December 2. to the end of the yeere.

**The Annatomy of the Body of Man, as
the parts thereof have been ancient-
ly supposed to be governed by the
12 Signes of the Zodiack.**

♈ Aries, Head and face.

♉ Taurus
Neck and
throat.
♊ Cancer
Brest, Sto-
mach, and
ribs.
♋ Virgo
Bowels and
belly.
♌ Scorp.
Secret
members.
♍ Capricorn
Knees.



♊ Gemini
Armes and
houlders.

♌ Leo
Heart and
back.

♎ Libra
Reines and
loynes.

♐ Sagittarius
Thighes.

♑ Aquarius
Legs.

♒ Pisces, the Feet.

The Characters of the Seven Planets.

♄ Saturn, ♃ Iupiter, ♂ Mars, ☉ Sol, ♀ Venus,
☿ Mercurie, ☾ Luna.

Aspects.

♂ Conjunction, * Sextile, □ Quartile, △ Trine,
♂ Opposition.

January hath xxxj. dayes.

New Moon the 5 day, at 4 a'clock and 13 min. in the mor.
 First quar. the 13 day, at 4 a'clock and 58 min. in the mor.
 Full Moon the 19 day at 9 a'clock and 36 min. at night.
 Last quarter the 26 day, at 8 a'clock and 14 min. at night.

1	a	The Circumcision of Christ.	sagit. 11
2	b	The octaves of S. Stephen.	sagit. 23
3	c	The octaves of S. Iohn.	capric. 4
4	d	The octaves of the holy Innocents.	capric. 16
5	e	The depol. of Edw. the Confess.	capric. 28
6	f	The Epiphany.	aquar. 9
7	G	Felix and Januarius.	aquar. 21
8	a	Lucian Priest and Martyr.	pisces 3
9	b	Judocus Confessor.	pisces 15
10	c	Paul the first Hermit.	pisces 27
11	d	Viginius B. & Mart. Sunne in	aries 10
12	e	Archadius Martyr. aquarius.	aries 23
13	f	Hillary Bishop and Confessor.	taurus 6
14	G	Felix Priest and Martyr.	taurus 20
15	a	Mauritius and Isidorus.	gemini 4
16	b	Marcelline Bishop and Martyr.	gemini 18
17	c	Anthony and Sulpitius.	cancer 3
18	d	Prisca virgin and martyr.	cancer 18
19	e	Moltane Bishop.	leo 3
20	f	Fabian and Sebastian.	leo 18
21	G	Agnes virgin. Septuagesima.	virgo 3
22	a	Vincent Deacon and martyr.	virgo 17
23	b	Emerentia virgin. Erin begins.	libra 1
24	c	Timothy Bishop and martyr.	libra 15
25	d	The conversion of S. Paul Apost.	libra 29
26	e	Policarp Bishop and martyr.	scorpio 12
27	f	Julian Bishop and Confessor.	scorpio 25
28	G	Agnes the second. Sexagesima.	sagit. 7
29	a	Valerius Bishop.	sagit. 20
30	b	Batilde Queene.	capric. 2
31	c	Saturnine and Victor.	capric. 14

February hath xxviij dayes.

New Moon the 3 day, 30 min. before one in the morn.
 First quarter the 11 day, at 5 aclock & 11 min. at night.
 Full Moon the 18 day, at 8 aclock & 43 min. in the morn.
 Last quart, the 25 day, 43 minutes past high noone.

1	d	Budget virgin.	Fast.	capric.	25
2	e	Purification of S. Mary the vir		aqua.	7
3	f	Blase Bishop and Martyr.		aqua.	19
4	G	Gilbert Confessor.	Quinquagesim.	pisces	0
5	a	Agathe vir. and Mart.	Estomihi, o.	pisces	12
6	b	Dorothee vir. & Mart.	Shrovesund.	pisces	24
7	c	Angulus Bishop.	Ashwednesday.	aries	7
8	d	Paul Bishop.	Lutus.	aries	19
9	e	Apollonia virgin and Martyr.		taurus	2
10	f	Scholastica virg.	Sun ent. pisces	taurus	15
11	G	Soother B.	Quadragesima.	taurus	29
12	a	Eulalia virgin.	Term ends.	gemt.	13
13	b	Wolfrane Bishop.		gemt.	27
14	c	Valentine Priest & Mart.	Ember	cancer	12
15	d	Faustina and Jobita.	weeke.	cancer	27
16	e	Julian virgin and Martyr.		leo	12
17	f	Polycronius Bishop and Martyr.		leo	26
18	G	Simcon B. Martyr.	Reminiscere	virgo	11
19	a	Sabine and Julian.		virgo	26
20	b	Mildrede virgin.		libra	10
21	c	Sebenty and nine Martyrs.		libra	23
22	d	S. Peters chaire.		scorpio	7
23	e	Policarp Bishop.	Fast.	scorp.	20
24	f	S. Mattheas Apostle and Mart	Oculi.	agit.	3
25	G	Constance virgin.		agit.	15
26	a	Alexander Bishop.		agit.	28
27	b	Augustine Bishop.		capri.	10
28	c	Oswald Bishop and Confessor.		capri.	22

March hath xxxj. dayes

New Moon the 5 day at 4 aclock and 25 min. at night.
 First quar. the 13 day at 1 aclock & 50 min. in the morn.
 Full Moon the 19 day at 6 aclock and 17 min. at night.
 Last quart. the 27 day, at 7 aclock & 25 min. in the morn.

1	d	David Bishop and Confessor.	aqua.	4
2	e	Chadde Bishop and Confessor.	aqua.	16
3	f	Martin and Austorius.	aqua.	28
4	G	Adrian Martyr. Letare.	piscis	10
5	a	Jocas and Eusebius.	piscis	22
6	b	Victor and Victorinus.	aries	4
7	c	Perpetua and Felicitas.	aries	16
8	d	The deposition of S. Felix.	aries	29
9	e	Forty Martyrs.	taur.	12
10	f	Agapite virgin. Sun ent. Aries	taur.	25
11	G	Quirion and Candidus. Iudica.	gemi.	9
12	a	S. Gregory the great, Ep. of Rome	gemi.	23
13	b	Theodore Martyr.	cancer	7
14	c	Leo Bishop. Peter Martyr.	cancer	22
15	d	Longinus Martyr.	leo	6
16	e	Boniface Bishop.	leo	21
17	f	Patrick Bishop and Confessor.	virgo	5
18	G	Edward K. & Martyr. Palmarum	virgo	20
19	a	Joseph the husband of Mary.	libra	4
20	b	Cuthbert Bishop and Confessor.	libra	18
21	c	Benedict Abbot.	scorpio	2
22	d	Aphroditus Bishop.	scorp.	15
23	e	Theodorus Priest.	scorp.	28
24	f	Agapitus Martyr. Fast.	sagit.	11
25	G	Annun. of b. Mary. Easter day	sagit	23
26	a	Castor Martyr.	capric.	5
27	b	Initium Rex Caroli.	capric.	18
28	c	Dorothe virgin.	aqua.	0
29	d	Victorine Martyr.	aqua.	12
30	e	Quirinus Martyr.	aqua.	24
31	f	Adelmus Bishop. Sabinus	piscis	6

Aprill hath xxx. dayes.

New Moon the 4 day, at 6 a'clock and 55 min in the morn.
 First quar. the 11 day, at 7 a'clock and 55 min. before noon
 Full Moon the 18 day, at 5 a'clock & 35 min. in the morn.
 Last quar. the 26 day, at one a'clock & 55 min. in the mor.

1		Theodoꝛa vir. Quasi modo geniti.	pisces	18
2	a	Mary of Egypt.	aries	1
3	b	Richard, Bishop and Confessor.	aries	13
4	c	S. Ambrose, Bishop of Millane.	aries	26
5	d	Martiman, Bishop.	taurus	9
6	e	Sixtus Bishop and Martyr.	taurus	22
7	f	Euphemia virgin.	gemini	6
8	G	Egellippus, &c. Misericordias Dom.	gemini	20
9	a	Perpetuus, Bishop.	cancer	4
10	b	Passion of 7 virgins. Sun ent. &	cancer	17
11	c	Guthlacus. Leo. Eterne begins	leo	2
12	d	Julius Bishop of Rome.	leo	17
13	e	Euphemia virgin.	virgo	1
14	f	Tiburtius and Valerian.	virgo	16
15	G	Osuald Archb. Bishop. Iubilate.	libra	0
16	a	S. Isidorus Bishop and Martyr.	libra	14
17	b	Anicetus Bishop of Rome.	libra	27
18	c	Cleutherius and Anthir.	scorpio	10
19	d	Alphege Archb. of Canterb. Mart.	scorpio	23
20	e	Victor Bishop and Martyr.	lagit.	6
21	f	Simeon Bishop and Martyr.	lagit.	18
22	G	Sothe virgin. Cantate.	capric.	1
23	a	S. George mart. under Dioclesian	capric.	13
24	b	Milfrid Bishop and Confessor.	capric.	25
25	c	S. Mark Evangelist & martyr.	aquar.	7
26	d	Cletus Bishop of Rome.	aquar.	19
27	e	Anastassus Bishop of Rome.	pisces	2
28	f	Urtalis martyr.	pisces	14
29	G	Peter of Millane. Rog. Sund. qz	pisces	26
30	a	Erkenwald depos. Vocem iucund.	aries	9

New
 First
 Full
 Last

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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May hath xxxj. dayes.

New Moon the third day, at 6 a'clock and 28 min. at night.
 First quar. the 10 day, 52 minutes after high noone.
 Full Moon the 17 day at 6 a'clock at night.
 Last quarter the 25 day, at 7 a'clock and 17 min. at night.

1	b	S. Philip & Jacob Ap. & Martyrs	aries	22
2	c	Athanasius Bishop.	taurus	5
3	d	Inuent. of the Crosse. Ascension day	taurus	28
4	e	The feast of the Crown of thornes	gemin.	2
5	f	Godard Archbishop.	gemin.	16
6	G	S. John at the Latin gate. Exaudi.	cancer	0
7	a	John of Weberley. Term ends.	cancer	14
8	b	The apparition of S. Michael.	cancer	29
9	c	The translation of S. Nicholas.	leo	13
10	d	Gordian Bishop, and Epimachus.	leo	28
11	e	Anthony Mart. Sun ent. Term	virgo	12
12	f	Percus, and Pancratius martyrs	virgo	26
13	G	Servatius confessor. Whit Sunday	libra	10
14	a	Boniface martyr.	libra	23
15	b	Ilidorus martyr.	scorp.	7
16	c	Brandane, Abbot. Ember week	scorp.	20
17	d	Translation of S. Bernhard.	sagit.	2
18	e	Dioscorus martyr.	sagit.	15
19	f	Dunstane Archbishop of Canterb.	sagit.	27
20	G	Barnardine. Trinity Sunday	capric.	9
21	a	Helene Queene.	capric.	21
22	b	Julian virgin.	aquar.	3
23	c	Desiderius martyr.	aquar.	15
24	d	Servulus martyr. Corpus Christi.	aquar.	27
25	e	Adelm B. Conf. Term begins	pisces	9
26	f	Augustine first Archb. of Canterb.	pisces	22
27	G	Wede Priest.	aries	4
28	a	Germane Bishop and Confessor.	aries	17
29	b	Maximus Bishop. Cozoms mart.	taurus	0
30	c	Felix Bishop of Rome, martyr.	taurus	13
31	d	Petronill virgin.	taurus	27

June hath xxx. dayes.

New Moon the 2 day, at 3 a'clock and 42 min. in the mot.
 First quarter the 8 day, at 6 a'clock and 26 min. at night.
 Full Moon the 16 day, at 7 a'clock & 33 min. in the morn.
 Last quar. the 24 day, at 10 a'clock & 56 min. before noon.

1	e	Nichomede Priest and marty.	gemi.	11
2	f	Marcellinus and Peter martyrs.	gemi.	25
3	G	Erasmus marty.	cancer.	9
4	a	Petrocius Confessor.	cancer	24
5	b	Boniface Bishop, and his fellows	leo	9
6	c	Sheldon Arch-bishop. Claudius.	leo	23
7	d	The translation of Wollstanc.	virgo	8
8	e	Wilhelme Arch-bishop, Confessor.	virgo	23
9	f	The translation of S. Edmund.	libra	7
10	G	The translation of Pbon.	libra	20
11	a	S. Barnabas Ap. & Mart. Sun ent.	scorpio	4
12	b	Basilis Confessor. Cancer	scorpio	17
13	c	Anthony Confessor. Term ends.	scorpio	29
14	d	Basilus Bishop.	sagit.	12
15	e	Vitus, Modestus, & Crescentius.	sagit.	24
16	f	The translation of Richard.	capric.	6
17	G	Botolph Confessor.	capric.	18
18	a	Marcus and Marcellian.	aquar.	0
19	b	Gerballus and Prothasius.	aquar.	11
20	c	The translation of S. Edward K.	aquar.	23
21	d	Walburge virgin.	pisces	5
22	e	Albane Martyr, the first of England	pisces	17
23	f	Etheldred virgin. fast.	pisces	29
24	G	The Nativity of S. John Bapt.	aries	12
25	a	The translation of Loy Bishop.	aries	25
26	b	John and Paul.	taurus	8
27	c	Crescens Martyr.	taurus	21
28	d	Leo Bishop of Rome. fast.	gemi.	5
29	e	S. Peter Apostle and Martyr.	gemi.	19
30	f	The commemoration of S. Paul.	cancer	3

July hath xxxj. dayes.

New Moon the first day, 25 minutes before noone.

First quarter the 8 day, at 1 a'clock & 57 min. in the mor.

Full Moon the 15 day, at 10 a'clock and 19 min. at night.

Last quar. the 23 day, 37 min. before one in the morning

New Moon the 30 day, at 6 a'clock and 50 min. at night.

1	C	The octaves of S. Iohn Baptist.	cancer	18
2	a	The visitation of S. Mary the vir	leo	3
3	b	The translation of S. Thomas ap.	leo	18
4	c	The translation of S. Martin Bi.	virgo	3
5	d	Soc virgin and Martyr.	virgo	18
6	e	The octaves of S. Peter Apostle.	libra	2
7	f	The translation of Tho. Becket.	libra	16
8	C	The deposition of Gimbald.	scorpio	0
9	a	Cyriil Bishop. Gertrude virgin.	scorpio	13
10	b	Seben brethren Martyrs.	scorpio	26
11	c	The translation of S. Benedict.	sagit.	9
12	d	Nabor and Felix.	sagit.	21
13	e	Privatus Martyr. Siment. Leo	capri.	3
14	f	The division of the Apostles.	capri.	15
15	C	The translation of S. Swithine B.	capri.	27
16	a	The translation of Edmund.	aquar.	9
17	b	Kenelme King and Martyr.	aqua.	20
18	c	Arnulph Bishop and Martyr.	pisces	2
19	d	Rufina & Justina mar. Dog-dayes	pisces	14
20	e	S. Margaret virgin & mart. (begin	pisces	26
21	f	Praxedes virgin.	aries	8
22	C	S. Mary Magdalen.	aries	20
23	a	Apolinaris Bishop.	taurus	4
24	b	Christina virgin. Fast.	taurus	18
25	c	S. James Apostle and Martyr.	taurus	29
26	d	S. Anne the mother of the v. Mary	gemini	13
27	e	The seven Sleepers.	gem.	27
28	f	Samson Bishop.	cancer	12
29	C	Felix and his fellows.	cancer	27
30	a	Abdon and Sennen Martyrs.	leo	12
31	b	Germane Bishop.	leo	27

August hath xxxj. dayes.

First quarter the 6 day, 30 minutes afternoone.

Full Moon the 14 day, at one a'clock & 57 min. afternooon.

Last quarter the 22 day, 24 minutes before high noon.

New Moon the 28 day, at 2 a'clock & 32 min. in the morn.

1	c	Lammas day. S. Peters chatines.	virgo	12
2	d	Stephen Bishop and martyr.	virgo	26
3	e	The Invention of S. Stephen.	libra	11
4	f	Justine Priest.	libra	27
5	G	S. Oswald & feast of S. Mary	scorpio	9
6	a	The transfiguration of our Lord.	scorpio	22
7	b	The feast of the name of IESVS.	sagit.	5
8	c	Ciriacus & his fellowes martyrs.	sagit.	18
9	d	Romane martyr.	capri	0
10	e	S. Laurence Archdeacon, martyr.	capri	12
11	f	Ciburtius martyr.	capri	24
12	G	Clare virgin. Sun enters virgo.	aquar.	6
13	a	Hippolitus & his fellowes mart.	aquar.	18
14	b	Eusebius.	aquar.	29
15	c	The assumption of S. Mary virg.	pisces	11
16	d	Kochus martyr.	pisces	23
17	e	The octaves of S. Laurence.	aries	5
18	f	Agapitus martyr.	aries	17
19	G	Magnus martyr.	aries	29
20	a	Leues Bishop and Confessor.	taurus	12
21	b	Bernard Confessor.	taurus	25
22	c	The octaves of the assum. of Mary	gemin.	8
23	d	Timothy &c. martyrs. Fast.	gemin.	22
24	e	S. Bartholmeu Apost. & martyr.	cancer	6
25	f	S. Lewis King of France.	cancer	21
26	G	Severine Bishop and martyr.	leo	5
27	a	Ruffus martyr. Dog dayes end.	leo	20
28	b	S. Augustine Bishop of Hippo.	virgo	5
29	c	The Beheading of John Baptist.	virgo	20
30	d	Felix and Audactus martyrs.	libra	5
31	e	Hydane Bishop and Confessor.	libra	19

September hath xxx. dayes.

First quar. the 5 day, at 2 a'clock and 27 min. in the morn.
 Full Moon the 13 day, at 5 a'clock and 58 min. in the morn.
 Last quarter the 20 day, at 8 a'clock and 26 min. at night.
 New Moon the 27 day, 36 min. before high noone.

1	f	Giles, Abbot.	scorpio	3
2	e	Anthony martyr.	scorpio	17
3	a	Gregory B. of Rome. Lupus B.	agit.	0
4	b	The translation of S. Cuthbert.	agit.	13
5	c	Bertine Abbot.	agit.	26
6	d	Eugenius Confessor.	capric.	9
7	e	Enurchus Bishop of Orleans.	capric.	21
8	f	The Nativity of S. Mary the vir.	aquar.	3
9	e	Coronius martyr.	aquar.	15
10	a	Silbius Bishop and Confessor.	aquar.	27
11	b	Prothius & Hyacinthus martyrs.	pisces	9
12	c	Martinian Bishop.	pisces	20
13	d	Hansilius Bish. Sun ent. libra.	aries	2
14	e	The exaltation of the holy Crosse.	aries	14
15	f	Richonides martyr.	aries	26
16	e	Eithe virgin.	taurus	9
17	a	S. Lambert Bishop and martyr.	taurus	21
18	b	Victor & Corona. Ember week.	gemini	5
19	c	Januarius B. & his fellowes mart.	gemini	18
20	d	Eustachius &c. martyrs. Fast.	cancer	2
21	e	S. Mattheo Ap. Evang. & mart.	cancer	16
22	f	Mauritius and his fellowes mart.	leo	0
23	e	Tecla virg. mart. Linus B. mart.	leo	15
24	a	Andochius martyr.	leo	29
25	b	Firnicus Bishop and martyr.	virgo	14
26	c	Cyprian and Justina martyrs.	virgo	29
27	d	Cosma and Damian martyrs.	libra	13
28	e	Exuperius Bishop and Confessor.	libra	28
29	f	S. Michael Archangel. & all Ang.	scorpio	12
30	e	S. Hierome Priest, Doctor.	scorpio	25

October hath xxxj. dayes.

First quarter the 4 day, at 7 a'clock and 38 min. at night.
 Full Moon the 12 day, at 9 a'clock and 44 min. at night
 Last quart.the 20 day, at 3 a'clock & 50 min. in the morn.
 New Moon the 26 day, at 10 a'clock and 31 min. at night.

1	a	Remigius Bishop of Rheims.	sagit.	8
2	b	Aodegarius Bishop.	sagit.	21
3	c	Candidus Martyr.	capri.	4
4	d	Francis Confessor.	capri.	16
5	e	Apoline Martyr.	capri.	29
6	f	Faith virgin and Martyr.	aqua.	11
7	G	Mark and Marcellus Martyrs.	aqua.	23
8	a	Delagla the penitent.	pisces	5
9	b	S. Denis B. & Mart. Term begin	pisces	17
10	c	Gercon and his fellows. Pauline	pisces	29
11	d	Michaelius Bishop.	aries	11
12	e	Wilfride Bishop of York.	aries	23
13	f	The transa. of Edw. the Confel.	taur.	6
14	G	Calixtus Bishop and Martyr.	taur.	19
15	a	Wolfranc Bishop.	gemini	1
16	b	Lucian.	gemini	15
17	c	Etheldred virgin.	gemini	28
18	d	Saint Luke Evangelist.	cancer	12
19	e	Fridelwde virgin.	cancer	26
20	f	Austroberta virgin.	leo	10
21	G	Eleben & ou and virgins.	leo	23
22	a	Mary Solome.	virgo	10
23	b	Romane Bishop.	virgo	24
24	c	Agiloxius Bishop.	libra	9
25	d	Crispine & Chrispinian Martyrs.	libra	23
26	e	Evaristus Bishop and Martyr.	scorpio	6
27	f	Florentius Martyr. fast.	scorpio	20
28	G	S. Simon & Jude Ap. & martyr	sagit.	3
29	a	Marcellus Bishop and Confessor.	sagit.	16
30	b	Germanus and Capua.	sagit.	29
31	c	Quintine martyr. fast.	capri.	12

November hath xxx. dayes.

First quarter the 3 day, at 3 a'clock 13 min. in the morning.

Full Moon the 11 day, 29 minutes after high noone.

Last quar. the 18 day, at 10 a'clock & 45 min. before noone.

New Moon the 25 day, 52 min. before high noone.

1	d	The Feast of all Saints.	capri. 24
2	e	The commemoration of all Soules.	aqua. 6
3	f	Alenefride virgin and marty.	aqua. 19
4	G	Amantius and Vitalis.	pisces 1
5	a	Letus Priest. Gun-powder treat.	pisces 13
6	b	Leonard abbot Confesso.	pisces 25
7	c	Willibrod Arch-bishop.	aries 7
8	d	four martyrs crowned.	aries 20
9	e	Theodoruz martyr.	taurus 2
10	f	S. Martin Bishop and Confel.	taur. 15
11	G	S. Martin Bishop and martyr.	taur. 28
12	a	Paternus mart. Sun enters sagitt.	gemi. 11
13	b	Brice Bishop and Confesso.	gemi. 25
14	c	The translation of Erkenwald.	cancer 8
15	d	S. Machute Bishop.	cancer 23
16	e	S. Edmund Arch-bishop of Cant.	leo 7
17	f	S. Hugh Bishop of Lincoln.	leo 21
18	G	The octaves of Martin.	virgo 6
19	a	Elizabeth mart. Nat. S. Charles	virgo 20
20	b	S. Edmund King and martyr.	libra 5
21	c	The presentation of S. Mary the v	libra 19
22	d	Cecilie virgin and martyr.	scorpio 3
23	e	Clement first Bish. of Rome mart.	scorpio 16
24	f	Chrysogonus martyr.	scorpio 29
25	G	S. Katherine virgin and martyr.	sagit. 12
26	a	Linus Bishop and martyr.	sagit. 25
27	b	Agriococa and Vitalis.	capri. 7
28	c	Rufus martyr. Term ends	capri. 20
29	d	Saturnine martyr. Fast.	aqua. 2
30	e	S. Andrew Apoll. and martyr.	aqua. 14

December hath xxxj. dayes.

First quarter the 3 day, 11 minutes after high noon
 Full Moon the 11 day, at one a'clock & 46 min. in the mor.
 Last quarter the 17 day, at 6 a'clock and 19 min. at night,
 New Moon the 25 day, at 4 a'clock & 35 min. in the morn

1	f	Eligius, Bishop.	aquar.	26
2	G	Libanus. Abbot Sunday.	pisces	8
3	a	Barbara virgin and martyr.	pisces	20
4	b	Dimund, Bishop.	aries	3
5	c	Sabba, Abbot.	aries	15
6	d	S. Nicholas Bishop of Mira.	aries	28
7	e	S. Ambrose Bishop & Confessor.	taurus	10
8	f	The conception of S. Mary the vir	taurus	23
9	G	Cyprian, Abbot. 2 Sund. in Advent	gemini	7
10	a	Eulalia virgin.	gemi.	20
11	b	Damasus, Bi. h. Sun ent. capr.	cancer	4
12	c	Paul, Bishop.	cancer	18
13	d	Lucie virgin and martyr.	leo	3
14	e	Thilia virgin.	leo	17
15	f	Valerius, Bishop.	virgo	2
16	G	Helertus. O Sapientia.	virgo	16
17	a	Lazarus Bishop.	libra	1
18	b	Gracian Bishop. Victor martyr.	libra	15
19	c	Uenesta virgin.	libra	29
20	d	Julius martyr. Fast.	scorpio	13
21	e	S. Thomas Apostle and martyr.	scorpio	26
22	f	Thirty martyrs.	sagit.	9
23	G	Victoria vir. 4 Sunday in Advent.	sagit	21
24	a	Forty virgins. Fast.	capric.	4
25	b	Christmas day	capric.	16
26	c	S. Stephen the first martyr.	capric.	28
27	d	S. John Evangelist and Apostle	aquar.	10
28	e	The holy innocents.	aquar.	22
29	f	Thomas Becket Archb. of Cant.	pisces	4
30	G	The translation of S. James.	pisces	16
31	a	Silvester Bishop of Rome, mart.	pisces	28

P I E R S. 1638

A Prognostication
for the yeare of our re-
demption. 1637.

Being the second from the Bissextile or Leape yeare.

Containing a description
of the Times and Seasons
limited by the Celestiall Bo-
dies, with other observa-
tions, pleasant and profit-
able for all men of
what sort soever.

By Matthew Piers Well-willer
to the Mathematickes.

L O N D O N,

Printed for the company of
Stationers. 1638.

A Prognostication.

**A necessary and perfect Rule to know the
beginning and ending of every Tearme,
with their Returnes.**

Hillary Tearme beginneth the 23 of January, if
it be not Sunday, and endeth the 12 of Februa-
ry, and hath foure Returnes, viz.

Octabis Hillarij.	}	Crastino Purificationis.
Quindeno Hillarij.	}	Octabis Purificationis.

Easter Tearme beginneth seventene dayes after
Easter, and endeth the Monday after the Ascension,
and hath fve Returnes, viz.

Quindeno Paschæ.	}	Crastino Ascensionis.
Tres Paschæ.	}	Menſe Paschæ.

Trinitie Tearme beginneth the next day after Cor-
pus Christi day, and endeth the Wednesday fortnight
after, and hath foure Returnes, viz.

Crastino Trinitatis.	}	Quindeno Trinitatis.
Octabis Trinitatis.	}	Tres Trinitatis.

Michaelmas Tearme beginneth the 9 or 10 of Oc-
tober, and endeth the 18 or 19 of November, and hath
8 Returnes, that is to say,

Octabis Michaelis.	}	Crastino Animarum.
Quindeno Michaelis.	}	Crastino Martini.
Tres Michaelis.	}	Octabis Martini.
Menſe Michaelis.	}	Quindeno Martini.

Note also, that the Exchequer openeth eight dayes
before any Tearme begin, except Trinitie, in which it
openeth but foure dayes before.



Of the Times and Seasons limited
and determined by the Ce-
lestiall Bodies.



At the beginning Jehovah Elohim the
Lord God almightie created the Sun,
Moone and Starres; and among other he
appointed them this office, that they
should determine and limit times and
seasons, dayes and yeares. And let them
be (saith he) for signes and for seasons, and for dayes and
yeares, Gen. 1. 14. Where the word in the originall
מִשְׁמָרִים *Monghadhim*, translated Seasons, signifi-
eth properly, set, limited, & determined times or seasons,
Tempora definita, or *præfinita*, Times limited before
hand (as Pareus obserueth upon the place) according
to the significatiō of the Root from whence it com-
meth, to wit, *מ* *Tanghadh*, define, or *præfinire*.
Thus the Sunne limiteth and boundeth that part of
time which we call a Day, by one reuolutiō upon the
Poles of the world. By his reuolutiō also through
the Zodiack, he determineth the Yeere. Thus the Moon
determineth the Moneth. The Planet Saturne deter-
mineth a time of about 30 yeares. The Planet Iupiter
a time of about 12 yeares. The Planet Mars, a time
of about two yeares, &c. The Sphaere of the fixed
Stars also by its reuolutiō determineth a certain
time, but a very long one, and not certainly known
to us, by reason that the motion thereof is so slow.
For frō the time of Timocharis (who liued about 300
yeares before the birth of our Saviour Iesus Christ,
and was the first that committed to writing, any ob-
sera

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seruation of the heavenly motions (unto this our time, it hath not moved about the 13th part of his revolution. Ptolomy thought that it moved one degree in an hundred yeares, and so by that account it should accomplish A full revolution in 36000 yeares. Albategnius supposed that it moved one degree in 66 yeares, & so accomplish a revolution in 23760 yeares. Alphonsus alloweth a longer time for the revolution, viz. 49000 yeares. But Tycho Brahe comparing his own observations with the certaintest observations of Timocharis, Hipparchus, Ptolomy, and Albategnius, findeth that this Sphaere moveth 51 seconds in one yeare, that is, one degree in 70 yeares & 7 moneths, and so by this account it should accomplish one full revolution in 25411 yeares, & about seven moneths. This is that terme which is called by some, Magnus annus Platonis, Plato's great yeare, because, when it was compleat, he thought all things should returne to the state they were at first. But we Christians abhorre so heathenthly a conceit. And doublesse we may conclude, that God hath appointed this Sphaere to flow a motion, that it may be to the Planets a certaine base or foundation (as the earth is to living creatures) whereby their motions may be understood and determined. Besides this benefit, these fixed Starres also, by their diurnall motion from East to West, keepe a most due and certaine account of the houres of the night. So that the time of the night is knowne as certainly by them, as the time of the day is by the Sunne.

The chiefe and principall of these set and determined times or seasons, are these three, the Day, the Moneth, and the Yeare.

1. The word Day is supposed by some to come of the Hebrew word יום *Yom*, which signifieth to see with a swift & continued motion. The word is taken in two senses. For first it signifieth that space of

of time which the Greeks call, *Νύχθημερον*, to wit, a space of time within which, a day & night is once made. And this is called the Naturall day, and is made by one revolution of the Sunne upon the Poles of the world, either from the North, or South part of the Meridian, as the Astronomers use to account it. This naturall day is divided commonly into 24 equall partes, which are called *Houres* of the Greeke word *ἡρα*, an houre, which is thought to come of *Horo*, an Egyptian word, signifying with them the Sunne. And thus the Astronomers make every day in the yeare to be equall one to another for the more ease of their Calculations: notwithstanding they finde, that partly by the Sunnes motion from the Equinoctiall and Tropicall points, and partly by his motion from the Apogæum, and Perigæum, the naturall dayes doe differ one from another, which they also recompence by certaine equations.

Every one of these houres is divided into 60. minutes, and every minute into 60. seconds, and so conditionally as neede shall require.

Again, the word Day is taken by a more strict sense, as opposed to the word Night, & so it signifieth that space of time wherein the center of the Sun is above the Horizon; And this is called the Artificiall day.

The Moneth taketh its name of the Moone, which measurcth forth the Moneth.

Johannes de Sacro Bosco maketh mention of 4 kinde of Moneths; viz. the moneth of Peragracion, of Apparicion, Medicinall, and the moneth of Consecucion.

The Moneth of Peragracion is the space of time in which the Moone performeth one revolution through the 12. signes of the Zodiack; & this according to the meane motion of the Moone, containeth 27. day, 7. hures, 43. minutes, 5. seconds, 2. thirds, 6. fourths, fifts, and 19. sixths, according to the observation of the learned Kepler.

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The second is the Moneth of Apparition, consisting of 28. dayes, vulgarly diuided into foure weekes.

The Moneth Medicinall containeth 26 dayes and an halfe: which, according to Gallen, measureth all the crises of a sicknesse.

The Moneth of Consecration, is that space of time wherein the Moone accomplisheth one revolution from the Sunne, that is, from one mean conjunction with the Sunne, to another. And this Moneth is longer than the moneth of Peragratiō. For the Moone returning to the same place in the Zodiack, where she left the Sun, findeth him moved by his proper motion, almost one Signe further, and therefore is forced to spend more than two dayes in following the Sun, before she can come to be joyned with him againe. And of this following of the Sun, the Moneth taketh its name of Consecration. This moneth containeth 29 dayes, 12 houres, 44 minutes, 3 seconds 10 thirds, 30 fourths, 55 fifths, and 4 sixths, according to the Moones mean motion.

And this is the Meane Naturall moneth unto which al other Ciuill Moneths haue respect. For by reason of the fractions joyned to the even dayes of this moneth, it were a very difficult thing to keepe an account in a Common-weale, by this naturall Moneth. And hence it is, that the ciuill Monethes differ almost among all nations. Thus we finde in Scripture, that at the time of Noahs Flood, the Moneth contained 30 dayes. Afterwards the Jewes finding it is too much, allotted to one moneth 30 dayes, & to another 29 dayes, alternately throug out the whole yeare; but finding it is too little, they were forced to use diuers intercalations to keepe the account of their montes. Thus the Ciuill Moneth among the Egyptians consisted of thirtie dayes: and in our Julian yeare, we haue some moneths that contain 30 dayes, some 31 dayes, & one 28 dayes.

3. The third Determined Season of Spectall Note is the

the Year, which is a space of time limited by the Revolution of the Sun in the Zodiack. Now because the Sunns revolution is ordinarily bounded two wayes, therefore the yeare is of two sorts, viz. the Sydereall yeare, and the Tropicall yeare.

The Sydereall yeare is the space of time in which the Sunne departing from any of the fixed Starres, returneth to it againe, and this according to the meane motion of the Sun, containeth 365 dayes, 6 houres, 9 minutes, 39 seconds, 27 thirds, 4 fourths, and 48 fifths.

The Tropicall Year is that space of time in which the Sun departing from any of the cardinall points in the Zodiack, returneth to the same againe. And this according to the Sunnes meane motion containeth 365 dayes, 5 houres, 48 minutes, 57 seconds, 35 thirds, 47 fourths, and 25 fifths. This is the Meane naturall yeare, which all nations have laboured to keep but could not doe it, partly because it was impossible to know the true quantity of this yeare, but by comparing the obserbations of these our times with those of the Ancients; and partly also because it is too hard a matter to keep a common account of the odde fractions joyued to the whole dayes contained in this yeare.

And therefore the civill yeares used by severall nations differed one from another: for the Arabians accounted in some of their yeares 354 dayes, and in some 355. The Egyptians reckoned 365. dayes. And in the Iulian yeare we account 365. dayes, intercalating one day every fourth yeare, which we call Bissextilie or Leap-yeare. And the Romans now of late finding this Iulian yeare to be too great for the naturall yeare, (as indeede it is) have abated of the quantity whereof obtaining that the day which we intercalate every fourth yeare, shall be omitted in some Centuries or hundreds of yeares. &c. viz. in the yeares of 1600, 1700, 1800, 1900 and 2100, 2200, 2300,

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And so forth, every fourth hundred yeare, observing the
intercalation of the day as in other Leap-yeares: but in
the other 3 omitting it. And by this meanes (having
strucke off 10 dayes from the Italian yeare) they labour
to keep the Equinoctial points in those dayes of the
moneth which they were in, at the time of the Ge-
nerall Council holden at Nice in Pontus, Anno Dom.
325. appointed for the establishing of a tertine for kee-
ping the feast of Easter. But this yeare so limited by
them, is still somewhat too great for the Sunnes
course, in determining the Tropicall yeare.

This Tropicall yeare hath its name *ἡμεροτομία*, *hēmerotomía*, which signifieth Vicissitudes, turnings, and
changes, because in this are all the mutations or chan-
ges that can be in a yeare, viz. the changeable seasons
of Winter, Spring, Summer, and Autumn, which are
caused by the Sunnes receding from us, or appa-
ching to us. And of these we are to speake of more
particularly.

Of the V Winter.

Winter taketh his name of the Dutch word
Wint, which signifieth Winde, because of
the plenty of winds in this Quarter of
the yeare. It is called of the Latines Hyems, of the
Greece word *Ἑμς*, signifying to ratne. This is the
first Quarter of the yeare by Astronomical Com-
putation, and is that space of time in which the
Sunne passeth throught these three Signes of the Zo-
diack, viz. Capricornus, Aquarius, and Pisces. So that the
beginning of this Quarter was upon the eleventh day
of December the last yeare at 10 of the clock & 29 mi-
nutes in the morning, at which time the Sunne en-
tered into the first scruple of the Tropicall signe Capri-
cornus,

cornus, having then the greatest South declination that can be from the Equinoctiall line, viz. 23. Degr. 21. min. and 30. seconds (according to Tycho Brahe) and making the shortest day and longest night to all that reside on this side of the Equinoctiall line: the length of the day being then at Durham six houres & 53 minutes, and the length of the night 17. houres and 7 minutes.

This quarter containeth first part of December, all Ianuary, all February, and part of March.

Ianuary taketh the name either of Ianus an ancient King of Italy, who for his wilborne and prouidence was pictured with two faces, the one looking backe to the old yeare, and the other forwards to the new: or else it takes the name of Ianua a Gate, because it is the Gate or entrance into the yeare.

The ancient Saxons called this moneth Wolf-moneth, to wit, Wolfe-moneth, because they were then in danger to be deuoured by Wolves.

An Eclipse of the Sun, but not seene with us.

This yeare upon the fourth day of this moneth of Ianuary, will happen a great Eclipse of the Sun, the beginning of which will be at one of the clocke and 22. minutes, in the morning, the beginning of total darknesse, at 3. a clocke and 53. minutes: the middle of the Eclipse at foure a clocke and 43 minutes, the end of the greatest darknesse, at 5. a clocke and 22 minutes, and the end of all the Eclipse at 7. a clocke and 53 minutes, according to the generall consideration thereof in respect of all the parts of the world where it will be seene. But with us in England no part thereof will be seene, because the Sun will be all the time under our Horizon.

February takes the name a Februus expiatorijs, from
cetraine

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containe expiatorie sacrifices, which the Romans in this moneth offered to their God Februus, for purging of the Soules of the Dead as they thought.

Our Ancestors the Saxons called this moneth Sprout Kele, because of the Cole-wort (whiche they called Ke-le) in this moneth yelded wholesome yong sprouts for their nourishment.

March, Martius is so called a Marte of Mars, the God of Battell, to whom this moneth was dedicated by the ancient Romans.

The Ancient Saxons called it Lenct-monat, that is Length-moneth: because in this moneth, the dayes began to exceede the nightes in length And hence cometh the name of the holy fast of Lent, because the most part of this fast falleth for the most part in this moneth.

Of the Spring.

The Spring is the second quarter Astronomically. It taketh the name, from the Dutch word Springhen, signifying to Leape or rise up, or bud forth In Latine it is called Ver of the Greeke word ἄρ or ἔαρ, or after the Ionick Dialect Βῆρ, signifying all the same thing. And this Greeke word seemeth to come of ἵα the name of the second moneth of the Iewes or Syrians. It is that space of time in which the Sun by his proper motion passeth through these three signes, viz. Aries, Taurus, and Gemini. So that this quarter takes beginning this yeare upon the 10. day of March at ten of the clocke and 24. min: in the morning. At which time the Sunne entrech into the first scruple of the Equinoctiall signe Aries, making the dayes equall to the night in all places of the world.

The quarter containeth in it part of March, all April, all May, and part of Iune.

April,

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April, is so called ab aperiendo of opening, because in this moneth, all things are opened in the floure, so Ovid, Aprilem memorant ab apro tempore dictu. Our Ancestors the Saxons called it Oster-monat, of the East winde that used to blow in this moneth. And hence our holy feast of Easter seemeth to take the name, as being for the most part kept in this moneth.

May, Maja is so called of the goddesse Maia, the mother of Mercury, because the Heathen used to sacrifice to her in this moneth.

The Saxons called it Trimi/ki, because in this moneth they used to milke their kine three times aday.

June Iunius taketh the name of Iunius Brutus, the Author of the Romans liberty, who was made Consul this moneth.

The Saxons called this moneth Weyd-monat of Weyden to feede, because they used this moneth to drive their cattell into the pastures to feede.

Of the Summer.

Summer the Germanes call Sommer of the presence of the Sunne this Quarter. The Latines call it *Æstas*, of *Æstus*, Heate, which both come of the Hebrew word *ʿEsh*, fire. And so in Grecke it is

called *Θέρος* Of *Θέρεω* to make hot. It is the third quarter Astronomically, and is that space of time, in which the Sun passeth through the three signes, Cancer, Leo, and Virgo. And therefore it takes beginning this yeare, upon the eleventh day of June at 2. of the clocke and 3. minutes in the after noone. At which time the Sunne entrench into the Tropicall signe Cancer, and maketh with us the longest day and shortest night, viz at Durham, the day 17. houres and 7. minutes, and the night 6. houres and 53. minutes.

And

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And at this instant the Sunne hath the greatest North declination from the Equinoctiall line, viz. 23. degrees, 31. minutes, and 30. seconds.

This quarter containeth the part of Iune, all Iuly, all August and part of September.

An Eclipse of the Moone, but not seene by us.

Vpon the sixteenth day of the moneth of Iune this yeare, being Saturday will happen a great Eclipse of the Moone, the beginning whereof will be at 5 of the clocke and 12 minutes in the morning, the beginning of totall darknesse at 6. a clocke and 26. minutes; the middle of the Eclipse at 7. a clocke and 20. min: the end of totall darknesse at 8. a clocke and 14. minutes, and the end of all the Eclipse at 9 a clocke and 24 minutes. The Digits or points darkened will be 17. and 42. min: the whole body of the Moone being supposed to be divided into 12. such points. This Eclipse we shall not see here in England, because it will be in the day time, but in places westward from us as Virginia, New England, &c. it will be seene, if clouds hinder not.

July, Julius is so called of Julius Caesar, who was born in this moneth. For before it was called Quintilis, as being the 5. moneth from March, from which the ancient Romans used to begin the order of their moneths.

The ancient Saxons called this moneth Hlithmonat, or Hey-molnar, because of their day-labor in this moneth.

An

An Eclipse of the Sunne, but not scene with us.

This yere upon the first day of July, being Sunday will happen a little Eclipse of the Sunne in the parts of the world beyond the Equinoctiall line towards the South Pole as in Magallanica. The beginning thereof will be at 9. a clocke and 28 minutes in the forenoone. The middle eleven a clocke and a quarter, and the end at 3 minutes past one in the afternoone, according to the generall consideration thereof and the time at Durham.

August, Augustus taketh the name of Augustus Caesar, who in this moneth began his Consulship, brought three triumphs into the Citie, and put an end to the civill warres. Before this, it was called Sextilis as being the sixt moneth from March, inclusively.

The Saxons called this moneth Arn-monat, that is, Hardest moneth.

September is so called, because it is the seventh moneth from March.

The Saxons called this moneth Gerst-monat, that is, Barly-moneth, of their Barly harvest this moneth.

Of the Autumne.

Autumne is the last Quarter Astronomicall, and seemeth to take the name of the Grecke word *αὐτμήν*, because of the frequent expiration, or breathing forth of vapours or mists this Quarter. It is that space of time, in which the Sunne passeth through these three signe of the Zodiack, Libra, Scorpio, and Sagitarius. And therefore it begins this present yere, upon the 14 day of September.

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tember, at 3 of the clocke and 21 minutes in the morning, the Sunne then entering into the first scruple of the Æquinoctiall signe Libra, and making the nightes once againe equall to the dayes throughout the whole world.

This Quarter containeth part of September, October, November, and part of December.

October is so called, as being the eight moneth from March.

The Saxons called it Win-monat, that is, Wine-moneth, because this Moneth they had Wines brought them from other Countreies adjoyning.

November is so called, as being the ninth moneth from March.

The Saxons called it Wint-monat, that is, Winde-moneth, because of the winde blustering this moneth.

An Eclipse of the Sun but not seene by us.

There will happen a very small Eclipse of the Sun upon the 25. day of this moneth of November, in the parts of the world towards the North pole. The beginning thereof will be at eleven a clocke and 32. minutes in the forenoone. The middle at halfe an houre past high noone, and the end at one a clocke and 28. minutes in the afternoone: according to the generall consideration thereof, and the time at Durham.

December is so called, as being the tenth moneth from March.

The Saxons, at first called it Winter-monat, that is, Winter-moneth. But after they received the Christian faith, they called it Heligh-monat, that is, Holy-moneth, because of the holy feast of Christmas in this moneth.

An Eclipse of the Moone.

This yeare upon the night following the tenth day of
December

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December being Munday, we shall see a very great Eclipse of the Moone, if the clouds hinder not. The beginning thereof will be at eleven a clocke and 37. minutes at night. The beginning of total darknesse, at one of the clocke and 19 minutes. The middle of the Eclipse at two a clocke and 14. minutes. The end of total darknesse at three a clocke and 10. minutes. The end of all the Eclipse at 4. a clocke and 52 minutes. So that the time of the Moone continuance in total darknesse will be two houres wanting but 9. minutes: but the whole time of the Eclipse from the beginning to the end will be five houres and a quarter. The digits of points of the Moone darknesse will be 21. whereof the body of the Moone containeth but 12. so that the shadow of the Earth will over reach the body of the Moone 9. points, which causeth her to continue so long in total darknesse.

Dayes

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Dayes after the Change or Full, the Moone is South at

0	1	2	3	4	5	6	7
12, 0	12, 48	1, 36	2, 24	3, 12	4, 00	4, 48	5, 36

Dayes after either of the Quarters, the Moone is South at

0	1	2	3	4	5	6	7
6, 0	6, 48	7, 36	8, 24	9, 12	10, 0	10, 48	11, 36

First find the new Moone, Full, or Quarter in the Kalender, then count how many dayes are past either of those, and under the same number of dayes past, you shall here see the time that the Moone will be South the same day, then look for the Haven or Port you desire, and where the houres and minutes stand before the same, there it is high water so many houres and minutes before the time above found: but where the houres & minutes stand after the place, there it is high water so long after the time first found. As for example.

Jan. 10. I desire to know when it will be full tyde at *Yarmouth*. I look in the Almanack, & find that the first quarter was upon the 7 day, so that the 10 day is 3 dayes after the quarter, which sought in the former Table, sheweth the Moones coming South, to be at 8 hou. & 24 min. Then looking for *Yarmouth* in the Table following, I find 1 houre & 30 min. standing before it, which sheweth, that the tyde at *Yarmouth* is 1 hou & 30 min. before the said 8 a clocke & 24 minutes, *viz.* at six a clock, & 34 min. and so of the rest.

0, 0 | *Quinborough, Southampton, Portsmouth, Wellings,*

0, 45 | *Rye, Callice, Ealshot, Winchelsea, Gorend.*

1, 30 | *Yarmouth, Bulloigne, Dover, Harwich, Wight.*

2, 15 | *Needles, Deep, Casket, Lux, Lenow, Orford, Ansto.*

3, 0 | *Orkney poole, Orwell, S. Hellen, Eloe, Eames, Embd.*

3, 45 | *Portland, Peterport, Hareflew, Hage, Blanch.*

4, 2 | *Milford, Bridge-water, North-coast, Exwater, Taxell.*

5, 1 | *Bristoll, Lanion, Foulencesse.*

6, 0 | *Lyn, Humber, Waym. Plimmouth, Antwerp. ho. min.*

Aberden, Redban, Rochester, Maldon, West of Nore 0, 45

Graves-end, Downes, Rumney, Tenet, Ramkins. 1, 30

Dundee, S. Andrews, Lisborne, Silly, Maze, S. Lucas. 2, 15

London, Tinmouth, Hartle poole, Amster, Gascoign. 3, 0

Barwick, Ostend, Scarb. Fount, Elambor. Flushing. 3, 45

Erith, Leith, Dunbarre, Lawi, Blow, Monsh, Egmon. 4, 30

Falmouth, Foy, Garsny, Seuern-mouth, Waterford. 5, 15

A plaine Description of the High Wayes in England and Wales, set forth in a more perfect manner than hitherto hath been published, with the use of the same by Example, viz.

From Barwicke to London 249 miles,
thus accounted :

From Barwicke to Belford 12 miles, from Belford to Anwicke 12 miles, from Anwicke to Morpit twelve miles, &c. And the next numbers shew how farre it is from any of those to London, as from Anwicke to London, 225 miles, from Morpit 213 miles &c.

From Barwicke to London, 249 miles.

Go first to Belford, which is 12 miles,

		miles.			miles.
Thence to	Anwicke	12 225	thence to	Doncaster	7 124
	Morpit	12 213		Tuxford	18 106
	Newcastle	12 201		Newarke	10 96
	Durham	12 189		Grantham	10 86
	Darlington	14 175		Stanford	16 70
	North Allarton	10 165		Stilton	12 58
	Topcliffe	7 158		Huntington	9 49
	Barrow bridge	4 154		Roylston	15 34
	Wetherby	8 146		Ware	14 20
	Abberford	5 141		Waltham	8 12
	Ferrie bridge	7 134		London	12
	Wentbridge	3 131			

From Torke to London 151 miles.

To	Tadcaster	8 143	2	London, as in	
	Wentbridge	12 131		Barwickeway;	121
					From

A Prognostication.

From Lincolne to London, 99. miles.

Goe first to Sleeford, which is 14 miles, thence

	miles.		miles.		
To {	Bourne	13 72	} Stilton	4 58	
	West Deeping	5 67		} London, as in	
	Gunworth ferry	5 61			} Barwick way.

Another way, viz. 106 miles.

	miles.		miles.		
To {	Ancaster	16 90	} Stilton	12 58	
	Bitfield	8 82		} London, as	
	Stanford	12 73			} before.

From Boston to London, 94 miles.

	miles.		miles.	
To {	Bourne	22 71	} Gunworth ferry	5 62
	Westdeeping	5 67		} Stilton, as before

From Norwich to London, 95 miles.

Goe first to Windham, which is 5 miles,

	miles.		miles.				
Thence to {	Attleborough	10 80	} Barkway	10 32			
	Thetford	10 70		} Puckeridge	7 25		
	Icklinham sands	6 64			} Ware	5 20	
	Newmarket	10 54				} Waltham	8 12
	Whitford bridg.	12 42					} London

From Walsingham to London, 86 miles.

Goe first to Pickham, which is 12 miles, thence

	miles.		miles.
To {	Brandon-ferry	10 64	} to London, as in Norwich way. 4 21
	Newmarket	10 54	
	Whitford brid.	12 42	

FROM

Piers. 1638.

From Cambridge to London, 44 miles.

	miles.		miles.
To Fulmere	6 38	London, as in	
To Barkway	6 32	Norwich way.	32

From Harmouth to Colchester, and so to London, 92 miles.

Goe first to Lestaffe, which is 6 miles.

	miles.		miles.
Thence to Blibut	10 76	Chelmsford	10 25
Snap-bridge	8 68	Ingarstone	5 20
Wood-bridge	6 62	Brentwood	5 15
Ipswich	7 55	Rumford	5 10
Colchester	12 43	London	10
Kelnedon	8 35		

From Cockermouth to Lancaster, and so to London, 223 miles.

Goe first to Kifwike, which is 6 miles.

	miles.		miles.
Thence to Grocener	8 109	Coventry	8 73
Kendale	14 193	Deventry	14 69
Barton	7 188	Tocester	10 50
Lancaster	8 180	Stonistratford	6 44
Preston	20 160	Brickhill	7 37
Wigan	14 146	Dunstable	7 30
Warinton	12 134	S. Albons	10 20
Newcastle	20 114	Barnet	10 10
Liechfield	20 94	London	10
Colehill	12 82		

A Prognostication

*From Shrewsbury to Coventry, and so to
London, 118 miles.*

Goe first to Watlingstreet, which is 7 miles.

	miles.		miles.
Thence to { Shefnall	5 106	thence to { Meriden	10 78
{ Bonigall	3 103	{ Coventrie	4 74
{ Wolverhampton	5 98	{ London, as in Coc-	
{ Bremicham	10 88	{ kermoth way	74

From Nottingham to London, 94 miles.

Goe first to Loughborough, which is 8 miles.

	miles.		miles.
Thence to { Leicester	8 78	thence to { London, as in	
{ Harborough	12 66	{ Cockermouth, and	
{ Northampton	12 54	{ Lancaster way.	44
{ Stony Stratford	10 44		

From Carnarvan to Chester, and so to London, 199 mil.

Goe first to Conaway, which is 24 miles.

	miles.		miles.
Thence to { Denbigh	11 64	thence to { Lichfield	18 94
{ Flint	12 52	{ Colefild	12 84
{ Chester	10 42	{ Coventry	8 74
{ Wich	15 127	{ London, as in Coc-	
{ Stone	15 112	{ kermouth way.	

From Ludlow to Worcester, and so to London, 106 mil.

Goe first to Tenbury, which is 5. miles.

	miles.		miles.
Thence to { Worcester	16 85	thence to { Wickham	20 27
{ Evisham	12 73	{ Beaconsfield	5 22
{ Chippingnortō	14 59	{ Vxbridge	7 15
{ Islip	12 47	{ London	15

From

Piers. 16³ 8.

From Carmarthen to London, 157 miles.

Goe first to Landoverly, which is 20 miles, thence miles.

To	{	Belth	14	123	thence	{	to London, as in Ludlow way. 85	miles.
		Preston	12	111				
		Worcester	26	85				

From Oxford to London, 47 miles.

Goe first to Whately bridge, which is 5 miles.

To	{	Tetsworth	5	37	{	Beaconsfield	5	22	miles.
		Stokenchurch	5	32		Vxbridge	7	15	
		Wickam	5	27		London	15		

From S. Davids to Hereford and Gloster, and so to London, 202 miles.

Goe first to Axford, which is 12 miles.

Thence to	{	Carmarthen	24	166	thence to	{	Farington	10	56	miles.
		Newton	12	154			Abington	10	46	
		Lanbury	10	144			Dorchester	5	41	
		Brecknocke	16	128			Menly	12	29	
		Hay	10	118			Maydenhead	7	22	
		Hereford	14	104			Colebrooke	7	15	
		Rosse	11	93			Hounslow	5	10	
		Glocester	12	81			London	10		
		Ciceter	15	65						

From Bristow to London, 97 miles.

Goe first to Maxfield, which is 10 miles.

Thence to	{	Chipnam	10	77	thence to	{	Reading	15	32	miles.
		Marleborow	15	62			Maydenhead	10	22	
		Hungerford	8	54			Colebrooke	7	15	
		Newbery	7	47			London	19		

From

A Prognostication.

From Exceter to London, 178 miles.

Goe first to Honniton, which is 12 miles.

	miles.			miles.	
Thence to	Chard	10	thence to	Basingstoke	16
	Crookhorne	10		Hartierow	8
	Sherborne	10		Bagshot	8
	Shaftsbury	12		Stanes	8
	Salisbury	13		London	15
	Andover	15			

From Dover to London, 55 miles.

Goe first to Canterbury, which is 12 miles, thence

	miles.			miles.	
To	Sittingborne	12	2	Darford	16
	Rocheſter	8		London	12
	Graveſend	5			

From Rye to London, 51 miles.

Goe first to Plimwell, which is 15 miles, thence

	miles.			miles.	
To	Tunbridge	12	2	London	17
	Chepstow	7			

From Southampton to London, 64 miles.

Goe first to Twisford, which is 8 miles,

	miles.			miles.	
Thence to	Ailesford	8	to	Ripley	8
	Alton	7		Cobham	5
	Farnam	7		Kingſton	5
	Gilford	9		London	10

From Chicheſter to London, 50 miles.

Goe first to Midhurſt, which is 7 miles, thence

	miles.			miles.	
To	Chiddingfold	10	2	London, as in South-	
	Gilford	8		Hampton way.	25

From Barwicke to Yorke, 108 miles.

To Topcliffe, as in Barwick way to London, 91 miles,
thence to Yorke 17 miles.

From

Piers. 1638.

From Torke to Cambridge 114 miles.

Goe to Huntington (as in Barwick way to London)
which is 102 miles, thence to Cambridge 12 miles.

From Torke to Oxford 118 miles.

First goe to Doncaster, which is 27 miles.

	miles.		miles.
Thence to { Mansfield	20 71	{ Welford	12 41
{ Nottingham	12 69	{ Weedon	14 22
{ Monfortill	11 98	{ Banbury	10 17
{ Leicester	5 53	{ Oxford	17

From Torke to Shrewesbury, 103 miles.

Goe first to Wetherby, which is 7 miles.

	miles.		miles.
Thence to { Oteley	13 83	{ Northwich	16 35
{ Bradford	6 77	{ Becton-wood	9 26
{ Halifax	6 71	{ Whitchurch	10 16
{ Blackston-edge	6 69	{ Price	4 12
{ Rock-dale	6 59	{ Shrewesburie	12
{ Manchester	8 51		

From Torke to Nottingham 59 miles.

	miles.		miles.
To { Doncaster	27 32	{ Nottingham	12
{ Mansfield	20 12		

From Norwich to Yarmouth 16 miles.

Goe first to Okehill, which is 8 miles, thence to
Yarmouth, which is 8 miles.

From Cambridge to Oxford 52 miles.

	miles.		miles.
To { Gamlinghay	9 43	{ Buckingham	8 19
{ Bedford	9 34	{ Bisciker	9 10
{ Newport	7 27	{ Oxford	10

From

A Prognostication

From Cambridge to Coventry, 48 miles.

Goe first to S. Eedes, which is 12 miles, thence

	miles.		miles.
Higham-ferries	8 28	{ Dunchurch	10 8
{ Northampton	10 18	{ Coventrie,	8

From Oxford to Coventrie, 44 miles.

Goe first to Woodstocke, which is 6 miles, thence

	miles.		miles.
Banbury	14 24	{ Coventry	14
{ Southam	10 14		

From Oxford to Bristoll, 48 miles.

Goe first to Farington, which is 12 miles, thence

	miles.		miles.
Cicester	14 22	{ Bristoll	10
{ Sadbury	12 10		

From Bristow to Shrewesburie, 70 miles.

Goe first to Aust. ferry, which is 8 miles, thence

	miles.		miles.
Munmouth	10 52	{ Ludlow	8 20
{ Hereford	12 30	{ Shrewesburie	20
Lempster	12 28		

From Exceter to Bristoll, 60 miles.

Goe first to Collumpton, which is 10 miles, thence

	miles.		miles.
Wellington	8 42	{ Glastenburie	11 19
{ Taunton	6 37	{ Welles	4 15
{ Bridgewater	8 30	{ Bristoll	15

From Exseter to Barstable, 32 miles.

Goe first to Kirton, which is 7 miles, thence

	miles.		miles.
Copstonsstone	3 23	{ High-Bickington	8
{ Collinge	8 14	{ Barstable	6

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